

PN - DE19947481 A1 20010405
 PD - 2001-04-05
 PR - DE19991047481 19991001
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 TI - Memory card navigation instrument for vehicle on board navigation system
 AB - The vehicle navigation instrument is used in a satellite based navigation system or Global Positioning System (GPS). The instrument has reception and analysis circuitry which supports the system. It also has a memory in which map information can be stored. The memory unit has a replaceable, non-volatile solid state memory, preferably a re writable memory, with random access to the data. The data contains the map information. The memory is preferably a PROM or flash ROM and may be provided on a memory card.
 IN - GERCZUK REINER [DE]; BAECKE THOMAS [DE]
 PA - BORG INSTR GMBH [DE]
 EC - G01C21/34; G08G1/0968; G09B29/10
 IC - G01C21/36; G08G1/09; G09B29/00
 CT - DE19836155 A1 []; DE4312583 A1 [];
 DE4204164 A1 []; WO9614558 A1 []

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 PN - DE19947481 A1 20010405 DW200152 G01C21/36 004pp
 PA - (BORG-N) BORG INSTR GMBH & CO
 IC - G01C21/36 ;G08G1/09 ;G09B29/00
 IN - BAECKE T; GERCZUK R
 AB - DE19947481 NOVELTY - The vehicle navigation instrument is used in a satellite based navigation system or Global Positioning System (GPS). The instrument has reception and analysis circuitry which supports the system. It also has a memory in which map information can be stored. The memory unit has a replaceable, non-volatile solid state memory, preferably a re writable memory, with random access to the data. The data contains the map information. The memory is preferably a PROM or flash ROM and may be provided on a memory card.
 - USE - For on board vehicle navigation systems using GPS.
 - ADVANTAGE - The instrument can be easily integrated in a small space e.g. in a small vehicle and is highly reliable.
 - DESCRIPTION OF DRAWING(S) - The drawing shows a view of the instrument.
 - display 2
 - symbol 3
 - numbers 4
 - load speaker 5
 - operating elements 6
 - odometer 7
 - GPS receiver 8
 - memory card 9
 - insert slot 10
 - (Dwg.1/1)
 OPD - 1999-10-01
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